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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/981,893	10/19/2001	Vernon E. McGeorge JR.	10016751	7315

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HEWLETT-PACKARD COMPANY
Intellectual Property Administration
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EXAMINER

NGUYEN, CAM LINH T

ART UNIT	PAPER NUMBER
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2171

DATE MAILED: 04/09/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/981,893

Applicant(s)

MCGEORGE, VERNON E.

Examiner

CamLinh Nguyen

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 October 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 October 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 2.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1 – 20 are rejected under 35 U.S.C. 102(e) as being anticipated by Kim Nitahara (U.S. 6,604,108).

♦ As per claim 1, 9 – 10, 15

Nitahara (U.S. 6,604,108) discloses a method for managing data from multiple data sources comprising:

- "Maintaining database tables in individual data contexts, wherein the database tables contain data from multiple data sources" See Fig. 1 – 3, col. 4, lines 30 – 49. In particular:
 - o "Maintaining database tables in individual data contexts" corresponds to database tables that stored in "information Mart storage" in fig. 1. The data are organized by identifiers with predefined subjects and attributes as seen in Fig. 2 – 3.
 - o "The database tables contain data from multiple data sources" See col. 2, lines 33 – 45.

- Applicant does not clearly define the meaning of the "conduit". However, referring to the "Detailed description" section, lines 15 – 16, the "conduits" corresponds to the "layer of abstraction between a data model and the presentation of the data to a user". As shown in Fig. 1, Nitahara discloses a multiple remote storage system that can contain multiple data model. The Information mart storage is a "layer of abstraction" between the data model (remote storage) and the presentation of the data to a user.
- "Ensuring name space are unique within each data context through conduits" See Fig. 2 – 3. Each file has a unique identifier and is associated with corresponding subject (col. 4, lines 34 – 35, col. 12, lines 53 - 55). Therefore, the "identifier" or the "name" corresponds to the name space.
- "Combining the database tables into larger tables in a display context" See Fig. 14, col. 11, lines 14 – 15.
- "A user interface" See Fig. 9 – 11, 14.
- ◇ As per claim 2, 11, 16,
 - "Displaying the data from multiple data sources in the display context" See Fig. 14, col. 11, lines 14 – 15.
- ◇ As per claim 3, 17,
 - "Appending a source identifier as a key field to the data before combining the database tables in the display context" See col. 12, lines 11.
- ◇ As per claim 4 – 8, 13 – 14, 18 – 20,

- "Requesting notifications for data changes in the display context by the conduits", "notifying the conduits of the changes", and "updating the data" See col. 7, lines 20 – 30, claims 2 – 4.
- "Updating automatically" corresponds to "periodic updating".

◇ As per claim 12,

- "The conduit has logical connections to the data sources that includes one or more actual connections" see Fig. 1.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Ghannam et al (U.S. 6,651,062) discloses a method and apparatus for managing data for use by data applications.
- Rosenstein, Jr. et al (U.S. 6,167,405) discloses a method and apparatus for automatically populating a data warehouse system.
- Della Libera et al (U.S. 2003/0023609) discloses a method for managing data.
- Ross et al (U.S. 5,983,215) discloses a system and method for performing joins and self-joins in a database system.
- Daniel Eames Linstedt (U.S. 2002/0161778) discloses a method of data warehousing and building business intelligence using a data storage model.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CamLinh Nguyen whose telephone number is 305-1951. The examiner can normally be reached on Monday-Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on 308-1436. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nguyen, Cam-Linh


WAYNE AMSBURY
PRIMARY PATENT EXAMINER

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